

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION DR-585

Effective Date: December 1, 2012
Reevaluation Date: **June 2013**

The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**.

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

6'-8" and 8'-0" Glazed Steel Doors, Inswing & Outswing, Singles with and without Sidelites, and Doubles, Non-impact Resistant, manufactured by

Endura Products, Inc.
8811 West Market Street
Colfax, NC 27235
Telephone: (336) 668-2472

General Description:

| System | Description | Label Rating | Drawing Number |
|--------|---|---|----------------|
| 1 | 6'0" x 6'-8" Glazed Steel Double Door, Inswing / Outswing (XX) | <u>Ultimate Hurricane Astragal</u> Inswing +40/-45 psf Outswing +45/-45 psf <u>Ultimate Multi-point Astragal</u> Inswing +50/-50 psf Outswing +50/-50 psf <u>Ultimate Flip Lever Astragal</u> Inswing +40 /-45 psf Outswing +40/-40 psf | TX-4171 |
| 2 | 6'0" x 8'-0" Glazed Steel Double Door, Inswing / Outswing (XX) | <u>Ultimate Hurricane Astragal</u> Inswing +25/-30 psf Outswing +30/-30 psf <u>Ultimate Multi-point Astragal</u> Inswing +40/-45 psf Outswing +40/-40 psf <u>Ultimate Flip Lever Astragal</u> Inswing +25/-30 psf Outswing +25/-25 psf | TX-4172 |
| 3 | 3'0" x 6'-8" Glazed Steel Single Door w/ Sidelites & Integral Mullion Inswing / Outswing (OXO) | Inswing +50/-55 psf Outswing +45/-45 psf | TX-4173 |

General Description (continued):

| System | Description | Label Rating | Drawing Number |
|--------|--|---|----------------|
| 4 | 3'0" x 8'-0" Glazed Steel Single Door w/ Sidelites & Integral Mullion Inswing / Outswing (OXO) | Inswing +25/-30 psf Outswing +25/-25 psf | TX-4174 |

Component Dimensions:

| System | Overall Size | Panel Size | Maximum Daylight Opening Size |
|--------|--|--|--|
| 1 | Inswing: 74" x 82" Outswing: 74" x 81 $\frac{1}{8}$ " | 35 $\frac{3}{4}$ " x 79 $\frac{1}{4}$ " | 21" x 63" |
| 2 | Inswing: 74" x 98" Outswing: 74" x 97 $\frac{1}{8}$ " | 35 $\frac{3}{4}$ " x 95" | 21" x 79" |
| 3 | Inswing: 112 $\frac{1}{4}$ " x 82" Outswing: 112 $\frac{1}{4}$ " x 81 $\frac{1}{8}$ " | Door: 35 $\frac{3}{4}$ " x 79 $\frac{1}{4}$ " Sidelite: 35 $\frac{3}{4}$ " x 79 $\frac{1}{4}$ " | Door: 21" x 63" Sidelite: 21" x 63" |
| 4 | Inswing: 112 $\frac{1}{4}$ " x 98" Outswing: 112 $\frac{1}{4}$ " x 97 $\frac{1}{8}$ " | Door: 35 $\frac{3}{4}$ " x 95" Sidelite: 35 $\frac{3}{4}$ " x 95" | Door: 21" x 79" Sidelite: 21" x 79" |

Components and Hardware:

| System | Component | Quantity | Attachment Method |
|--------|--|------------------------------------|---|
| 1-4 | 4" Butt Hinges | 3 (6'-8" doors) 4 (8'-0" doors) | Hardware shall be installed in accordance with Endura drawings TX-4171, TX-4172, TX-4173 and TX-4174, dated July 12, 2012, signed and sealed by Lyndon F. Schmidt, P.E. on October 1, 2012. |
| | Lock and deadbolt strike plate | 1 per lockset and deadbolt | |
| | Kwikset Signature Series (991) Lockset and Kwikset Signature Series (980/985) deadbolt | 1 | |

Product Identification (Certification Agency Label on Door):

| System | | |
|--------|----------------------------------|------------------------------|
| 1-4 | Certification Agency | Self-labeled by manufacturer |
| | Manufacturer's Name or Code Name | Endura Products, Inc. |
| | Product Name | Glazed Steel Doors |
| | Test Standards | ASTM E330-02 |

Impact Resistance:

| Impact Resistant | Requirement |
|------------------|--|
| No | Impact protective system required when product is installed in areas where windborne debris protection is required |

Installation:

| System | | | |
|--------|---------------------------|---|---|
| 1-4 | Type of Installation | Door Frame | |
| | Wall Framing | Wood (G \geq 0.42) or Concrete (minimum 3000 psi) | |
| | Fastener Embedment | Wood: Minimum of 1.15 inches into wood framing Concrete: Minimum of 1 $\frac{3}{4}$ inches into the concrete | |
| | Fastener Location/Spacing | Head | The doors shall be installed and anchored in accordance with Endura drawings TX-4171, TX-4172, TX-4173 and TX-4174, dated July 12, 2012, signed and sealed by Lyndon F. Schmidt, P.E. on October 1, 2012. |
| | | Sill | |
| | | Side Jamb | |
| | | Sidelites | |
| | | Hinges | |

Note: The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.